

CEON CHEMICAL COMPANY

TECHNICAL DATA SHEET (TDS)

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1. Product Description

Liquid organic fertiliser with plant-origin amino acids

2. Guaranteed Analysis and Analytical Methods

Parameter	Specification	Analysis Method
Total Organic Matter	15% w/v	Gravimetric loss-on-ignition method
Total Nitrogen (N)	4% w/v	Kjeldahl method (validated fertiliser matrix procedure)
Ammonium Nitrogen (NH ₄ -N)	2% w/v	Steam distillation / titrimetric method
Organic Nitrogen (N)	2% w/v	Kjeldahl method (validated fertiliser matrix procedure)
Water-soluble Potassium Oxide (K ₂ O)	3% w/v	ICP-OES or flame photometry after extraction
Total Amino Acid	14% w/v	HPLC-UV/FLD after validated hydrolysis/derivatisation
Fulvic Acid	21% w/v	Gravimetric/spectrophotometric humic-substance method
Total Polysaccharides	4% w/v	Phenol-sulfuric acid spectrophotometric method

3. Key Benefits

Stimulates growth, re-sprouting, flowering, fruit set, nutrient use, stress resistance, soil fertility, microbial activity and yield.

4. Recommended Use Areas

Greenhouse and open-field vegetables, strawberry, ornamentals, vineyards, maize, sunflower, cereals, forage crops, fruit trees, nuts and cotton.

5. Application Rate

Soil: 0.5-1 L/ha. Foliar: 100-150 cc per 100 L water.

6. Packaging

250 ml, 500 ml, 1 L, 5 L, 10 L

7. Mixability and Storage

Conduct a small-container compatibility test before tank mixing. Do not exceed recommended rates. Store tightly closed in a cool, dry and ventilated area, protected from direct sunlight and frost.

8. Quality Note

Analytical methods shown are technically appropriate reference methods for the declared parameter and product matrix. Batch release results are recorded in the applicable COA.